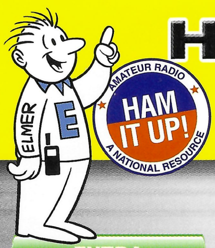


HIGH FREQUENCY PRIVILEGES CHART

Study with the BEST! Gordon West, WB6NOA & The W5YI Group

10 METER — BEST DAYS

	28000 kHz	28200	28300	28500	29300	29600–29700 kHz
EXTRA	CW & DATA	CW BEACONS	PHONE	SSB PHONE USB	SATS	FM
ADVANCED	CW & DATA	CW BEACONS	PHONE	SSB PHONE USB	SATS	FM
GENERAL	CW & DATA	CW BEACONS	PHONE	SSB PHONE USB	SATS	FM
TECH & NOVICE	CW & DATA	CW BEACONS	PHONE	• • • • • • • • • • • • • • • • • •	• • • •	• • • • •

12 METER — BEST DAYS

	24890 kHz	24930–24990 kHz
EXT ADV GEN	CW DIGITAL	PHONE

15 METER — BEST DAYS

	21000 kHz	21025	21200	21225	21275–21450 kHz
EXTRA	CW & DATA	CW & DATA	SSB PHONE USB	SSB PHONE USB	SSB PHONE USB
ADVANCED	• • •	CW & DATA	• • • • • •	SSB PHONE USB	SSB PHONE USB
GENERAL	• • •	CW & DATA	• • • • • • • • •	• • • • • • • • •	SSB PHONE USB
TECH & NOVICE	• • •	CW 200 WATTS	• • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •

17 METER — BEST DAYS & EVENINGS

	18068 kHz	18100	18110–18168 kHz
EXT ADV GEN	CW CW DIGITAL	PACKET	PHONE

20 METER — BEST DAYS & NIGHTS

	14000 kHz	14025	14100	14150	14175	14225–14350 kHz
EXTRA	CW	CW & DATA	CW & DATA		DX PHONE	SSB PHONE USB
ADVANCED	• • •	CW & DATA	CW & DATA	• • • • • • •	SSB PHONE USB	SSB PHONE USB
GENERAL	• • •	CW & DATA	CW & DATA	• • • • • • • • • •	• • • • • • • • • •	SSB PHONE USB

30 METER — CW & DATA

	10100 kHz	10120	10130	10140–10150 kHz
EXT ADV GEN	CW CW	CW & DATA	CW & DATA	CW PACKET

40 METER — BEST DAYS & EVENINGS

	7000 kHz	7025	7125	7175–7300 kHz
EXTRA	CW & DATA	CW & DATA	SSB PHONE LSB	SSB PHONE LSB
ADVANCED	• • •	CW & DATA	SSB PHONE LSB	SSB PHONE LSB
GENERAL	• • •	CW & DATA	• • • • • • • • • • • • • •	SSB PHONE LSB
TECH & NOVICE	• • •	CW 200 WATTS	• • • • • • • • • •	• • • • • • • • • •

60 METER

CW - carrier frequency is the center frequency. 100 WATTS ERP

EXT ADV GEN					
CW CARRIER FREQUENCY	5332.0	5348.0	5358.5	5373.0	5405.0
USB DIAL FREQUENCY FOR PHONE/DATA/RTTY	5330.5	5346.5	5357.0	5371.5	5403.5

80 METER — BEST EVENINGS & NIGHTS

	3500 kHz	3525	3585	3600	3700	3800–4000 kHz
EXTRA	CW & DATA	CW & DATA	AUTO DATA	SSB PHONE LSB	SSB PHONE LSB	SSB PHONE LSB
ADVANCED	• • •	CW & DATA	AUTO DATA	• • • • • •	SSB PHONE LSB	SSB PHONE LSB
GENERAL	• • •	CW & DATA	AUTO DATA	• • • • • • • • • • • • • •	• • • • • • • • • •	SSB PHONE LSB
TECH & NOVICE	• • •	CW 200 WATTS		• • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •

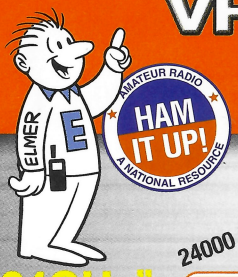
160 METER — NIGHT OWL BAND

	1800 kHz	1830	1840	1850–2000 kHz
EXT ADV GEN	CW	RTTY	CW DX	PHONE DX / PHONE LSB

1000 kHz = 1MHz (ie 7225 kHz = 7.225 MHz) • • • • = No Privileges Until Upgrade!

VHF/UHF MICROWAVE BAND PLAN

Study with the BEST! Gordon West, WB6NOA & The W5YI Group



EXTRA • ADVANCED • GENERAL • TECHNICIAN

NOVICE RESTRICTED AS INDICATED

By Gordon West, WB6NOA

"24GHz" BAND — 1.0 CENTIMETERS

24000 MHz	24125	24155	24192	24250 MHz
DATA	FM	SSB	ATV	FM SPACE

"10GHz" X-BAND — 3 CENTIMETERS

10000 MHz	10200	10364	10368.5	10500 MHz
WIDE BAND	SSB CW	WIDE BAND FM	ATV	SPACE TELECOMMAND

5 CENTIMETERS

5650 MHz	5760	5761	5925 MHz
DATA FM ATV SS	CW SSB	DATA FM ATV	SPACE

"3456" BAND — 9 CENTIMETERS

3300 MHz	3456	3457	3500 MHz
DATA FM ATV	CW SSB	DATA FM ATV	

13 CENTIMETERS

2300 MHz	2305	2310	2390	2396	2399	2400	2410	2413	2418	2430	2433	2438	2450 MHz
DATA	CW	• • • • • • • • • • • •	ATV	DATA	LINK	SATS	RPT OUT	DATA	ATV	SATS	DATA	FM	

"1270" BAND — 23 CENTIMETERS

1240 MHz	1246	1248	1252	1253	1258	1260	1270	1276	1282	1288	1295	1297	1300 MHz
ATV	DATA	DATA	ATV	DATA	SATS		RPT IN	ATV	RPT OUT	ATV FM	CW SSB	DATA	
• •							NOVICE 5 WATTS FM & TELEVISION					• • • • • •	

33 CENTIMETERS

902 MHz	904	906	909	915	918	921	927	928 MHz
CW SSB	DATA	RPT IN	ATV	DATA	RPT OUT	ATV	FM	

"440" BAND — 70 CENTIMETERS

420 MHz	426	431	432	432.3	432.4	435	438	444	450 MHz
ATV	ATV	DATA	CW SSB	BCNS	FM LINKS	SATS	DATA	ATV & FM	FM REPEATERS

"220" BAND — 1.2 METERS

219 MHz	220	222.0	222.05	222.06	222.1 CALLING	222.15	222.25	223.53	223.64	225 MHz
POINT TO POINT DATA	• • • • • •	CW	BCN	SSB	SSB	SSB	FM	DATA		
• • • • • • • • • • • • • •		CW	BCN	SSB	SSB	SSB	FM 25 WATT			

"2" METERS — 2 METERS

144 MHz	144.1	144.275	144.3	144.5	144.6	144.9	145.1	145.2	145.5	145.8	146	147	148 MHz
CW ONLY	SSB	BCN	MIX		RPT IN	DATA	RPT OUT		FM	CW SSB SATS	FM REPEATERS FM SIMPLEX		

"THE MAGIC" BAND — 6 METERS

50 MHz	50.1	50.125	50.3	50.6	50.8	51	51.1	52	53	54 MHz
CW ONLY	DX	SSB	AM FM	DATA	*R/C	DX		FM REPEATERS FM SIMPLEX		*R/C & FM

BANDWIDTH
XW = 6MHz + BW
W = 1MHz BW
M = 100kHz BW
N = 50kHz BW

AM - Amplitude Modulation
ATV - Amateur Television
BCNS - Automaticpropogation transmitter (Beacon)
CW - Morse Code
DATA - Packet, RTTY, Amtor
DX - Distant station contacts (longer range than usual)
FM - Freqyency Modulation
FM LINKS - FM relay from one repeater to another
FM REPEATERS - FM relay stations
FM SIMPLEX - FM direct contacts
LINK - Relay stations for data & voice
PHONE DX - Long distance voice transmission
POINT TO POINT DATA - Automatic packet radio transfer stations
***R/C** - Radio control models
RPT/IN - Your transmit frequency to a repeater
RPT/OUT - Output side of FM repeaters
SATS - Satellite & space shuttle communication
SPACE - Space station and satellite operation
SPACE TELECOMMAND - Uplinks to control satellites
SS - Spread Spectrum
SSB - Single Sideband weak-signal work
SSB/CW - Both sidebanf and Morse code
SSTV - Slow Scan Television
WIDE BAND FM - Television audio
WIDE BAND - FM, AM, spread spectrum, television